

## Claims

1. A sterilizer comprising:

an anti-microbial material including a base ingredient and  
a volatile anti-microbial agent impregnated in said base  
5 ingredient;

an air-permeable capsule encapsulating said anti-  
microbial material;

a less-permeable container having ventilation apertures  
provided partially thereon for accommodating said capsule; and

10 a peelable, less-permeable film provided over a surface  
of said container where the ventilation apertures provided,  
wherein a vapor of said anti-microbial agent emits from said  
anti-microbial material in said capsule through the ventilation  
apertures on the container into an external atmosphere when said  
15 film is removed from the container.

2. The sterilizer according to claim 1, wherein a space  
is provided between said capsule and the surface of said  
container where the ventilation apertures are provided.

20 SUBA' 3. The sterilizer according to claim 1 or 2, wherein said  
capsule is thermally double-sealed at both ends thereof.

SUBA' 4. The sterilizer apparatus according to claim 1, 2, or  
25 3, wherein said base ingredient of said anti-microbial material  
is doped with a low-temperature thermoset substance for  
increasing a viscosity.

5. The sterilizer according to claim 1, wherein said anti-microbial material further includes an aromatic substance.

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6. The sterilizer according to claim 5, wherein said anti-microbial includes said aromatic substance at higher rate than said anti-microbial agent.

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~~7. The sterilizer according to claim 5, wherein the anti-microbial material further includes two types of said aromatic substance.~~

8. The sterilizer according to claim 5, wherein said  
15 aromatic substance is a herb type.

9. The sterilizer according to claim 7, wherein said two aromatic substances are a herb type and a citrus type.

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~~10. The sterilizer according to claim 5, 6, or 7, wherein a space is provided between said film and the surface of said container where the ventilation apertures are provided.~~

11. A refrigerator comprising:

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a chamber for storing foods;

a blower for conveying a chilled air throughout said chamber; and

said sterilizer according to claim 1,  
wherein said sterilizer is located in a passage of the chilled  
air conveyed by said blower.

5        12. A refrigerator comprising:

a vegetable cooling chamber for storing at least one of  
vegetables and fruits; and

said sterilizer according to claim 1,  
wherein said sterilizer is located in said vegetable cooling  
10 chamber.

*Sub A4* 13. The refrigerator according to claim 11 or 12, wherein  
said anti-microbial material includes an aromatic substance.

*Added A5*